

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/776,586	BRAUN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	DANG T. TON	2666	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment of 5/18/2005.
2. ☒ The allowed claim(s) is/are 1-9,14-20,29, and 37-48 (renumbered 1-29, respectively).
3. ☒ The drawings filed on 02 February 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All. b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

  
DANG TON  
PRIMARY EXAMINER

1. The following is an examiner's statement of reasons for allowance:

For claims 1-9, the prior art fails to teach a combination of establishing a routing table associated with each of the routers, the

routing tables being based on the ZR1P protocol and defining routing table entry (RTE) records for storing the subnet mappings of the associated router;

further defining each of the RTE records to include the UID structure as a data field associated with each of the subnet mappings;

employing each router to assign subnet mappings to each segment connected to its interfaces and to populate the RTE records of its routing table with the subnet mappings in association with the UID values of each connected segment;

exchanging RTE records between the routers and employing each router to compare RTE records received during the exchange with the RTE records in its routing table to detect if two or more subnet mappings are the same, whereupon a subnet conflict is declared.

For claim 29, the prior art fails to teach advertising the routes of the first router to the second router, wherein a route of the first router includes information on the path information must travel from the second router to get to a point on a segment coupled to the first router, and wherein these routes are communicated using routing table entries; augmenting the second routing table with the routing table entries advertised by the first router; detecting an address collision, wherein an address collision takes place if a first point on a first segment coupled to the first router has an identical address as a second point on a second segment coupled to the second router; sending a notification from the second router to the first router including the address collision information; and changing the identification of the first segment on the first router, wherein the new identification is unique throughout the entire network.

For claim 37, the prior art fails to teach method of identifying a point on a network such that requires no user configuration, the method comprising the steps of: randomly selecting a network address for the point; broadcasting that address to a second point on the network; comparing the address

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of the second point to the address of the first point;  
broadcasting the results of the comparison to the first node;  
and if the address of the first point and the address of the  
second point are identical, randomly selecting a new network  
address for the first point.

For claim 47, the prior art fails to teach a computer  
network; a first network node coupled to the computer network,  
the first node comprising an address selector for randomly  
selecting a network address, a network broadcaster for  
broadcasting that address to another network node, and a network  
receiver for receiving replies from another network  
node; a second network node coupled to the computer network  
having a unique network address, the second node comprising a  
network listener for receiving the network address from the  
first node, an address comparator for comparing the address of  
the first node to the address of the second node, and a network  
broadcaster for sending the comparator results to the network  
listener of the first node.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANG T. TON whose telephone number is 571-272-3171. The examiner can normally be reached on MON-WED, 5:30 AM-6:00 PM and Thur 5:30-9:30 A.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, RAO SEEMA can be reached on 571-272-3174. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

D. Ton



DANG TON  
PRIMARY EXAMINER